Slimline Q5 Series

5W quad-colour LEDs (RGBW/RGBA)

User Manual

Convection cooled, no fan!

Order codes:

LEDJ58 - 5Q5 RGBW Black housing
LEDJ58A - 5Q5 RGBW White housing
LEDJ59 - 7Q5 RGBW Black housing
LEDJ59A - 7Q5 RGBW White housing
LEDJ59B - 7Q5 RGBA Black housing
LEDJ59C - 7Q5 RGBA White housing

Optional IR remote
Order ref: LEDJ90C

WARNING

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, consult your dealer and do not use the equipment.
- To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.
- Please note that damages caused by user modifications to this equipment are not subject to warranty.

CAUTION!
KEEP THIS EQUIPMENT AWAY FROM RAIN, MOISTURE AND LIQUIDS

CAUTION!
TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power cable come into contact with other cables. Handle the power cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the equipment and do not modify the unit.
- Do not connect this equipment to a dimmer pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available mains supply voltage is between 100~240V AC, 50/60Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not connect power or switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Pro Light dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- This lighting fixture is for professional use only - it is not designed for or suitable for household use. The product must be installed by a qualified technician in accordance with local territory regulations. The safety of the installation is the responsibility of the installer. The fixture presents risks of severe injury or death due to fire hazards, electric shock and falls.
- Warning! Risk Group 2 LED product according to EN 62471. Do not view the light output with optical instruments or any device that may concentrate the beam.
- WARRANTY: One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void. Incorrect operation may lead to danger e.g: short-circuit, burns and electric shocks etc.

Do not endanger your own safety and the safety of others!

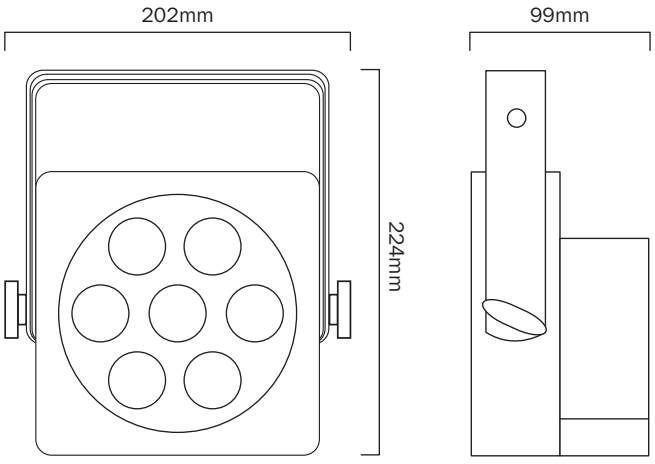
Incorrect installation or use can cause serious damage to people and/or property.

Slimline Q5 Series

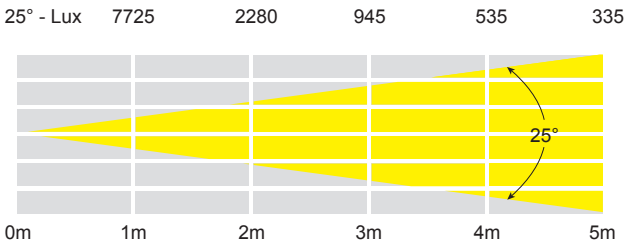
Housing 5W quad-colour LEDs, the Slimline Q5 Series give smooth colour mixing from rich saturated hues to subtle pastel shades. These units have rugged, all metal housings and measure only 99mm in depth for easy transportation and installation. They are also convection cooled for silent operation and feature a 25° beam angle. The 4 push button LED menu or optional IR remote allows easy access to the functions including DMX, master/slave, sound active and stand alone.

- 5 x 5W quad-colour LEDs (5Q5)
- 7 x 5W quad-colour LEDs (7Q5)
- Beam angle: 25° (field angle: 40°)
- 400Hz refresh rate
- DMX channels: 2/3/4 or 7 selectable
- Static colour, colour change, colour fade, auto run, sound active and master/slave modes
- 0 - 100% dimming and variable strobe
- Bracket allows for multiple rigging or floor standing applications
- Rubber feet allow the panel to sit flat on the floor for uplighting
- 4 push button menu with LED display
- Side entry XLR and power connections
- IEC power input/output
- 3-Pin XLR input/output
- Convection cooled
- Optional IR remote (LEDJ90C)
- Linkable with the Slimline 12Q5

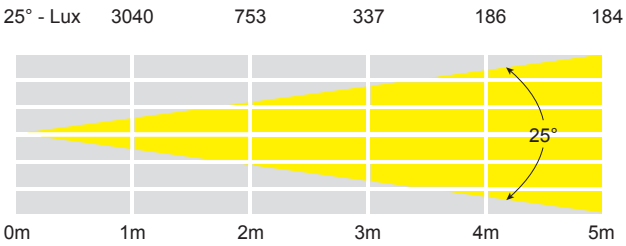
Specifications	Slimline 5Q5	Slimline 7Q5
Power consumption	38W	45W
Power supply	100~240V, 50/60Hz	100~240V, 50/60Hz
Fuse	T1A 250V	T2A 250V
Dimensions	224 x 202 x 99mm	224 x 202 x 99mm
Weight	2kg	2.5kg
Order codes	LEDJ58 - RGBW Black housing	LEDJ59 - RGBW Black housing
		LEDJ59A - RGBW White housing
	LEDJ58A - RGBW White housing	LEDJ59B - RGBA Black housing
		LEDJ59C - RGBA White housing



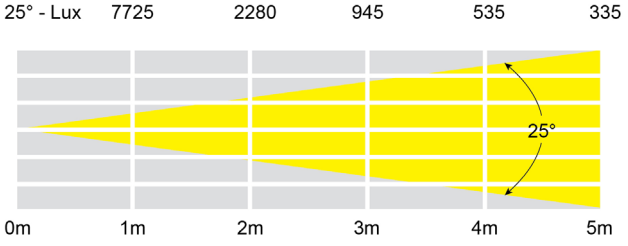
7Q5 RGBW version

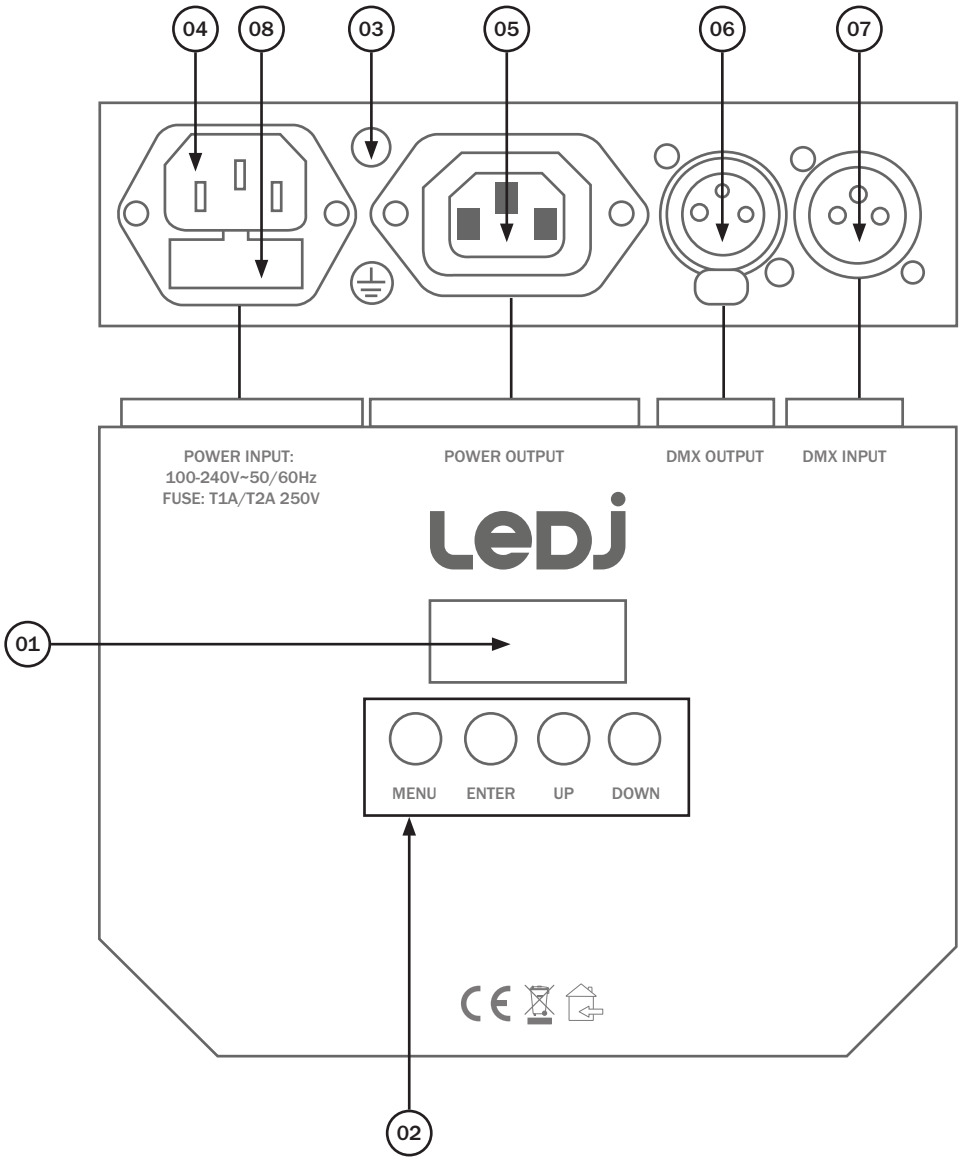


5Q5 RGBW version



7Q5 RGBA version





01 - LED display
02 - Function buttons
03 - Earth point
04 - IEC power input
05 - IEC power output
06 - 3-Pin DMX output
07 - 3-Pin DMX input
08 - Fuse: T1A 250V (5Q5)
T2A 250V (7Q5)

In the box: **1 x fixture, 1 x power cable & 1 x user manual**

DMX channel mode:

Operating in a DMX control mode environment gives the user the greatest flexibility when it comes to customising or creating a show. In this mode you will be able to control each individual trait of the fixture and each fixture independently.

To access the DMX channel mode, press the "**MENU**" button on the rear of the unit to show A001 on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the desired DMX address. Now press the "**ENTER**" button to choose one of the 2, 3, 4 or 7 DMX channel modes use the "**UP**" and "**DOWN**" buttons, and press the "**ENTER**" button to confirm the setting.

To exit out of any of the above options, press the "**MENU**" button.

2 channel mode:

Channel	Value	Function
1	000-240	Master dimmer (0-100%)
	241-255	Strobe
2	000-004	Blackout
	005-080	Colour macro
	081-150	Colour change
	151-255	Colour fade

3 channel mode:

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)

4 channel mode (RGBW):

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	White (0-100%)

4 channel mode (RGBA):

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	Amber (0-100%)

7 channel mode (RGBW):

Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000-255	Strobe
3	000-255	Red (0-100%)
4	000-255	Green (0-100%)
5	000-255	Blue (0-100%)
6	000-255	White (0-100%)
7	000-004	Blackout
	005-080	Colour macro
	081-150	Colour change
	151-255	Colour fade

7 channel mode (RGBA):

Channel	Value	Function
1	000-255	Master dimmer (0-100%)
2	000-255	Strobe
3	000-255	Red (0-100%)
4	000-255	Green (0-100%)
5	000-255	Blue (0-100%)
6	000-255	Amber (0-100%)
7	000-004	Blackout
	005-080	Colour macro
	081-150	Colour change
	151-255	Colour fade

RGBW colour mix mode:

In this mode you can set the fixture to any colour and any brightness.

To access the colour mix mode, press the "**MENU**" button on the rear of the unit to show r - - - with 3 digits after on the LED display. Press the "**ENTER**" button to confirm.

The r represents red, G = green, b = blue, U = white and F - - 0 = strobe.
The 3 digits after are the brightness setting from 000 ~ 255, or the strobe speed from 0 ~ 9.

For example:
If you set r , G , b , U all to zero, your unit will have no LEDs lit up (blackout).
If you set r000 to r255 and G , b and o to zero, your unit will show only red LEDs.

Press the "**ENTER**" button to confirm the setting and move to the next colour.
To exit out of any of the above options, press the "**MENU**" button.

RGBA colour mix mode:

In this mode you can set the fixture to any colour and any brightness.

To access the colour mix mode, press the "**MENU**" button on the rear of the unit to show r - - - with 3 digits after on the LED display. Press the "**ENTER**" button to confirm.

The r represents red, G = green, b = blue, A = amber and F - - 0 = strobe.
The 3 digits after are the brightness setting from 000 ~ 255, or the strobe speed from 0 ~ 9.

For example:
If you set r , G , b , A all to zero, your unit will have no LEDs lit up (blackout).
If you set r000 to r255 and G , b and A to zero, your unit will show only red LEDs.

Press the "**ENTER**" button to confirm the setting and move to the next colour.
To exit out of any of the above options, press the "**MENU**" button.

Built-in program mode:

To access built-in program mode press "**MENU**" until the display shows Pr - - on the LED display.
Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select between Pr00 ~ Pr20.
Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the speed between SP - 0 ~ SP - 9. Press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to select the flash speed between F - - 0 ~ F - - 9.
To exit out of any of the above options, press the "**MENU**" button.

Slave mode:

Press the "**MENU**" button on the rear of the unit to show SLAU on the LED display and press the "**ENTER**" button to confirm the setting. The unit will now run in sequence with the master unit.

To exit out of any of the above options, press the "**MENU**" button.

Please ensure that all slave units are set to the same DMX channel mode as the master unit.

Sound active mode:

To access the sound active mode, press the "**MENU**" button on the rear of the unit to show SU00 on the LED display. Now press the "**ENTER**" button and use the "**UP**" and "**DOWN**" buttons to set the sound sensitivity level from SU.00 ~ SU.99 and press the "**ENTER**" button to confirm the setting.

Value: 00 - 99 (00 = low, 99 = high)

To exit out of any of the above options, press the "**MENU**" button.

Menu system (RGBW)

Static colour mode	r000~r255 R G000~G255 G b000~b255 B U000~U255 W F000~F009 Flash
Built in program mode Pr00 - Pr20	Pr00 - Colour change & fade Pr01 - R Pr02 - G Pr03 - B Pr04 - W Pr05 - RG Pr06 - GB Pr07 - BW Pr08 - RW Pr09 - GW Pr10 - RB Pr11 - RGB Pr12 - RGW Pr13 - RBW Pr14 - GBW Pr15 - RGBW Pr16 - Colour change (15 colours) Pr17 - Colour fade (15 colours) Pr18 - Colour change (4 colours) Pr19 - Colour fade (4 colours) Pr20 - Colour change (3 colours)
Slave mode	SLAU
Sound active mode	SU00~SU99
DMX mode	2CH, 3CH, 4CH, 7CH
Address setting	A001~A512

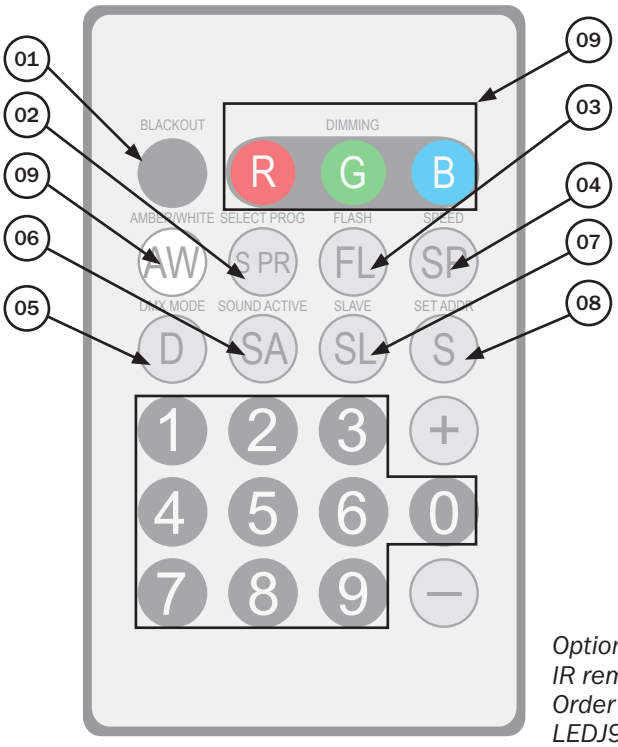
Menu system (RGBA)

Static colour mode	r000~r255 R G000~G255 G b000~b255 B A000~A255 A F000~F009 Flash
Built in program mode Pr00 - Pr20	Pr00 - Colour change & fade Pr01 - R Pr02 - G Pr03 - B Pr04 - A Pr05 - RG Pr06 - GB Pr07 - BA Pr08 - RA Pr09 - GA Pr10 - RB Pr11 - RGB Pr12 - RGA Pr13 - RBA Pr14 - GBA Pr15 - RGBA Pr16 - Colour change (15 colours) Pr17 - Colour fade (15 colours) Pr18 - Colour change (4 colours) Pr19 - Colour fade (4 colours) Pr20 - Colour change (3 colours)
Slave mode	SLAU
Sound active mode	SU00~SU99
DMX mode	2CH, 3CH, 4CH, 7CH
Address setting	A001~A512

Optional IR remote functions:

Button functions:

01 - Sets the LEDs into power on or off modes
02 - Runs the built-in programs, use the '+' and '-' buttons to go through the programs
03 - Sets the LEDs to flash on and off, use the '+' and '-' buttons to change the flash frequency
04 - Sets the run speed, use the '+' and '-' buttons to change the desired speed (note: only available in the colour change or colour fade modes)
05 - Sets the LEDs into DMX mode
06 - Sets the LEDs into sound active mode
07 - Sets the LEDs into slave mode
08 - Sets the DMX address for the LEDs
09 - Sets the LEDs colour, then use the '+' and '-' buttons to change the brightness



Optional IR remote Order code: LEDJ90C

DMX address examples:

To set the DMX address "245";

- Press the "S" button, the red LEDs will come on, you can now start to set the DMX address
- Now press the "2" button, the green LEDs will come on, this means the first digit has been set at 2
- Now press the "4" button, the blue LEDs will come on, this means the second digit has been set at 4
- Now press the "5" button, and the white/amber LEDs will come on, the third digit 5 has been set. The full DMX address setting has been changed
- Now press the "DMX MODE" button to save the new address into the memory

To set the DMX address "002";

- Press the "S" button, the red LEDs will come on, you can now start to set the DMX address
- Now press the "0" button, the green LEDs will come on, this means the first digit has been set at 0
- Now press the "0" button, the blue LEDs will come on, this means the second digit has been set at 0
- Now press the "2" button, and the white/amber LEDs will come on, the third digit 5 has been set. The full DMX address setting has been changed
- Now press the "DMX MODE" button to save the new address into memory

Important notes:

- Set the DMX address on each fixture before plugging into the DMX controller
- The IR remote cannot be used when the fixture(s) are being controlled with a DMX controller
- The maximum IR transmitter distance is 10m - Please make sure that you have the IR remote aimed directly at the front panel of each fixture to be programmed
- If you do not press the "DMX MODE" button after you have changed the DMX address when you power down the fixture it will lose the address you have set

Setting the DMX address:

The DMX mode enables the use of a universal DMX controller. Each fixture requires a “start address” from 1- 512. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that occupies or uses 7 channels of DMX and was addressed to start on DMX channel 100, would read data from channels: 100,101,102,103,104,105 and 106. Choose a start address so that the channels used do not overlap. E.g. the next unit in the chain starts at 107.

DMX 512:

DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions form the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

DMX linking:

DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

DATA cable (DMX cable) requirements (for DMX operation):

This fixture can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output, see image below.

Further DMX cables can be purchased from all good sound and lighting suppliers or Pro Light Concepts dealers.

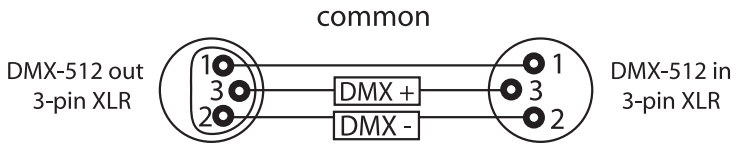
Please quote:

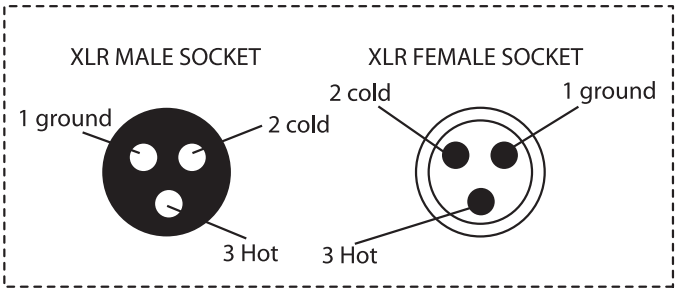
CABL10 – 2m
CABL11 – 5m
CABL12 – 10m

Also remember that DMX cable must be daisy chained and cannot be split.

Notice:

Be sure to follow the diagrams below when making your own cables. Do not connect the cables shield conductor to the ground lug or allow the shield conductor to come in contact with the XLRs outer casing. Grounding the shield could cause a short circuit and erratic behaviour.





XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Negative
Pin 3 = Postive

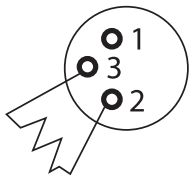
Special note:

Line termination:

When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

Using a cable terminator will decrease the possibilities of erratic behaviour.

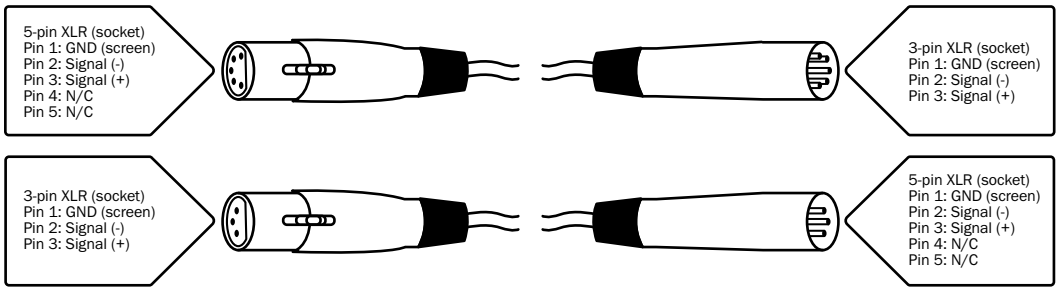
(3-pin - Order ref: CABL90, 5-pin - Order ref: CABL89)



Termination reduces signal transmission problems and interferance. it is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

5-pin XLR DMX connectors:

Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



Correct Disposal of this Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

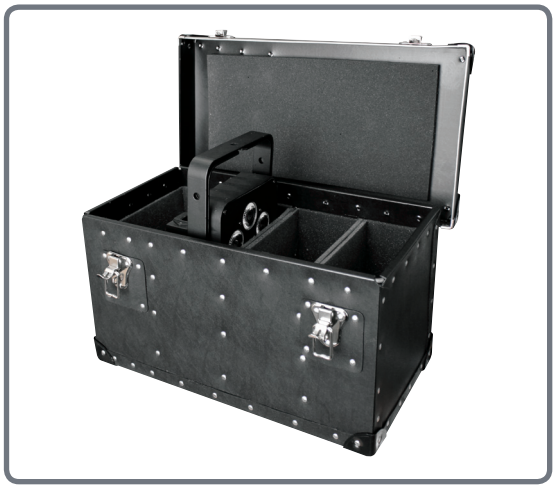
This marking shown on the product or its literature, indicates that it should not be disposed of with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Please contact your local retailer to purchase these accessories.

Optional IR remote
Order code: LEDJ90C



Optional Quad Case (Holds 4 x fixtures)
Order code: CASE71

To keep up-to-date on the latest accessories and product range additions please visit **www.prolight.co.uk**